

PTO/PCT Rec'd 22 FEB 2001

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:

Paul *et al.* (As Corrected)

Appl. No. 09/646,679 (U.S. National
Phase of PCT/GB99/00905)

Int'l Filing Date: March 22, 1999

For: **Signal Transduction Protein
Involved in Plant Dehiscence**

Art Unit: To Be Assigned

Examiner: To Be Assigned

Atty. Docket: 0623.0890000/EKS/PSC

9-18-01
w/attachment

Information Disclosure Statement

Commissioner for Patents
Washington, D.C. 20231

Sir:

Listed on accompanying Form PTO-1449 are documents that may be considered material to the examination of this application, in compliance with the duty of disclosure requirements of 37 C.F.R. §§ 1.56, 1.97 and 1.98. A copy of each of these documents is provided.

Where the publication date of a listed document does not provide a month of publication, the year of publication of the listed document is sufficiently earlier than the effective U.S. filing date and any foreign priority date so that the month of publication is not in issue. Applicants have listed publication dates on the attached PTO-1449 based on information presently available to the undersigned. However, the listed publication dates should not be construed as an admission that the information was actually published on the date indicated.

Applicants reserve the right to establish the patentability of the claimed invention over any of the information provided herewith, and/or to prove that this information may not be prior art, and/or to prove that this information may not be enabling for the teachings purportedly offered.

This statement should not be construed as a representation that a search has been made, or that information more material to the examination of the present patent application does not exist. The Examiner is specifically requested not to rely solely on the material submitted herewith. It is further understood that the Examiner will consider information that had been cited or submitted to the U.S. Patent and Trademark Office in a prior application relied on under 35 U.S.C. § 120. 1138 OG 37, 38 (May 19, 1992).

This Information Disclosure Statement is being filed before the mailing date of a first Office Action on the merits. No statement or fee is required.

The Examiner's attention is directed to the following co-pending U.S. Patent Applications:

09/182,050, filed October 29, 1998,
09/528,188, filed March 17, 2000, and
09/528,249, filed March 17, 2000,

which are directed to related technical subject matter. Pursuant to 37 C.F.R. § 1.98 (a) (2), legible copies of these applications are provided herein. The identification of these U.S. Patent Applications is not to be construed as a waiver of secrecy as to those applications now or upon issuance of the present application as a patent. The Examiner is respectfully requested to consider the cited applications and the art cited therein during examination.

Applicants note that published PCT document WO 99/15680 (Document AL2) corresponds to U.S. Appl. No. 09/528,249 and WO 99/15681 (Document AM2) corresponds to U.S. Appl. No. 09/528,188. Each of these PCT documents is directed to subject matter that is related to the U.S. counterpart.

It is respectfully requested that the Examiner initial and return a copy of the enclosed PTO-1449, and to indicate in the official file wrapper of this patent application that the documents have been considered.

The U.S. Patent and Trademark Office is hereby authorized to charge any fee deficiency, or credit any overpayment, to our Deposit Account No. 19-0036.

Respectfully submitted,

STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C.



Eric K. Steffe
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FORM PTO-1449 INFORMATION DISCLOSURE STATEMENT	ATTY. DOCKET NO. 0623.0890000/EKS/PSC	APPLICATION NO. 09/646,679 (U.S. Nat'l Phase of PCT/GB99/00905)
	APPLICANT Paul <i>et al.</i> (As Corrected)	
	INTERNATIONAL FILING DATE: March 22, 1999	GROUP To Be Assigned

U.S. PATENT DOCUMENTS							
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE
	AA1	5,907,081	05/25/1999	Isaac <i>et al.</i>	800	205	03/19/1996
	AB1	6,096,946	08/01/2000	Roberts <i>et al.</i>	800	290	09/30/1997
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FOREIGN PATENT DOCUMENTS							
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
	AL1	WO 94/23043	10/13/1994	WIPO			Yes No
	AM1	WO 95/20668	08/03/1995	WIPO			Yes No
	AN1	WO 96/30529	10/03/1996	WIPO			Yes No
	AO1	WO 97/13865	04/17/1997	WIPO			Yes No
	AP1	WO 99/13089	03/18/1999	WIPO			Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

	AR	<u>1</u>	Bleasby, A.J. <i>et al.</i> , "OWL - a non-redundant composite protein sequence database," <i>Nucleic Acids Research</i> 22:3574-3577, Oxford University Press (1994).
	AS	<u>1</u>	Christoffersen, R.E. and Laties, G.G., "Ethylene regulation of gene expression in carrots," <i>Proc. Natl. Acad. Sci. USA</i> 79:4060-4063, The National Academy of Sciences of the USA (1982).
	AT	<u>1</u>	Dean, C. <i>et al.</i> , "Differential expression of the eight genes of the petunia ribulose biphosphate carboxylase small subunit multi-gene family," <i>EMBO Journal</i> 4:3055-3061, IRL Press Limited (1985).

EXAMINER	DATE CONSIDERED
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EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

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EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
	AL2	WO 99/15680	04/01/1999	WIPO			Yes No
	AM2	WO 99/15681	04/01/1999	WIPO			Yes No
	AN						Yes No
	AO						Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

	AR	<u>2</u>	Devereux, J. <i>et al.</i> , "A comprehensive set of sequence analysis programs for the VAX," <i>Nucleic Acids Research</i> 12:387-395, IRL Press Limited (1984).
	AS	<u>2</u>	Hocking, P.J. and Mason, L., "Accumulation, Distribution and Redistribution of Dry Matter and Mineral Nutrients in Fruits of Canola (Oilseed Rape), and the Effects of Nitrogen Fertilizer and Windrowing," <i>Australian Journal of Agricultural Research</i> 44:1377-1388, CSIRO Publishing (1993).
	AT	<u>2</u>	Johnson-Flanagan, A.M. and Spencer, M.S., "Ethylene Production during Development of Mustard (<i>Brassica juncea</i>) and Canola (<i>Brassica napus</i>) Seed," <i>Plant Physiology</i> 106:601-606, American Society of Plant Physiologists (1994).

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	AO						Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)			
	AR	<u>3</u>	Liang, P. and Pardee, A.B., "Differential Display of Eukaryotic Messenger RNA by Means of the Polymerase Chain Reaction," <i>Science</i> 257:967-971, American Association for the Advancement of Science (1992).
	AS	<u>3</u>	Liang, P. <i>et al.</i> , "Analysis of Altered Gene Expression by Differential Display," <i>Methods in Enzymology</i> 254:304-321, Academic Press, Inc. (1995).
	AT	<u>3</u>	Liu, X-Y <i>et al.</i> , "Pendulum Test for Evaluation of the Rupture Strength of Seed Pods," <i>Journal of Texture Studies</i> 25:179-189, Food & Nutrition Press, Inc. (1994).

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	AN						Yes No
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	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

	AR	<u>4</u>	Meakin, P.J. and Roberts, J.A., "Dehiscence of Fruit in Oilseed Rape (<i>Brassica napus</i> L.) I. Anatomy of Pod Dehiscence," <i>Journal of Experimental Botany</i> 41:995-1002, Oxford University Press (1990).
	AS	<u>4</u>	Meakin, P.J. and Roberts, J.A., "Dehiscence of Fruit in Oilseed Rape (<i>Brassica napus</i> L.) II. The Role of Cell Wall Degrading Enzymes and Ethylene," <i>Journal of Experimental Botany</i> 41:1003-1011, Oxford University Press (1990).
	AT	<u>4</u>	Needleman, S.B. and Wunsch, C.D., "A General Method Applicable to the Search for Similarities in the Amino Acid Sequence of Two Proteins," <i>Journal of Molecular Biology</i> 48:443-453, Academic Press, Inc. (1970).

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	AN						Yes No
	AO						Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

	AR	<u>5</u>	Nelson, D.E. <i>et al.</i> , "Abundant Accumulation of the Calcium-Binding Molecular Chaperone Calreticulin in Specific Floral Tissues of <i>Arabidopsis thaliana</i> ," <i>Plant Physiology</i> 114:29-37, American Society of Plant Physiologists (May, 1997).
	AS	<u>5</u>	Whitelaw, C.A. <i>et al.</i> , "An mRNA encoding a response regulator protein from <i>Brassica napus</i> is up-regulated during pod development," <i>Journal of Experimental Botany</i> 50:335-341, Oxford University Press (March, 1999).
	AT		

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